

**Response Action Contract
for Remedial, Enforcement Oversight, and Non-Time
Critical Removal Activities at Sites of Release or
Threatened Release of Hazardous Substances
in EPA Region VIII**

U.S. EPA Contract No. 68-W5-0022

**Original Work Plan
for
Libby Asbestos Site, Operable Unit 2
Technical Assistance
Libby, Montana**

Volume I -Technical

**Work Assignment No.: 148-TATA-08BC
Document Control No.: 3283-148-PP-WKPN-22913**

May 10, 2005

**Prepared for:
U.S. Environmental Protection Agency
Region VIII
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*****COMPANY CONFIDENTIAL*****

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Libby, Montana

Work Assignment No.: 148-TATA-08BC

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Program Manager

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Acronyms

CDM	CDM Federal Programs Corporation
CFAM	contract financial administration manager
COI	conflict of interest
EPA	U.S. Environmental Protection Agency
LOE	level of effort
MIS	management information system
OU	operable unit
POP	period of performance
QA	quality assurance
QAC	quality assurance coordinator
QAPP	quality assurance project plan
QC	quality control
QMP	quality management plan
QP	quality procedure
RAC	Response Action Contract
Site	Libby Asbestos Site
SOW	statement of work
WACR	Work Assignment Completion Report
WAF	work assignment form
WAM	work assignment manager

Section 1

Introduction

This work plan defines the support CDM Federal Programs Corporation (CDM) will provide to the U.S. Environmental Protection Agency (EPA) for conducting technical assistance at the former screening plant, Operable Unit 2 (OU2), of the Libby Asbestos Site (Site) under Response Action Contract (RAC) work assignment 148-TATA-08BC.

The purpose of this work plan is to describe CDM's planned activities for support to EPA for this work assignment. EPA has defined the tasks that CDM will perform under this work assignment. These tasks include:

- Task 1 - Project Management and Support
- Task 2 - Technical Assistance
- Task 3 - Work Assignment Close Out

Level of effort (LOE) and costs associated with this assignment are based on the RAC statement of work (SOW) provided by EPA with the work assignment form (WAF) and the assumptions listed herein. A WAF modifying the original SOW must be received from EPA before CDM can initiate any revisions to the approved work plan. Revision to scope and/or costs will be based on discussions with EPA and its vision of CDM support required for the work assignment.

1.1 Site Description

Vermiculite ore was first discovered in Libby, Montana in 1881 by gold miners. In the 1920's initial operations were begun by Edward Alley and later continued as full scale operations by the Universal Zonolite Insulation Company (Zonolite). By the time the mine closed in 1990, 80% of the world's supply of vermiculite was produced in Libby. Vermiculite is and was used as attic insulation, in building materials and as a soil amendment. A majority of the vermiculite that was mined, refined, and processed was contaminated with amphibole asbestos fibers and is a threat to human health. Since 1998, EPA Region VIII's Emergency Response Branch has been conducting sampling and cleanup activities to address the contaminated areas in the Libby Valley. Details of the Libby Asbestos Removal Actions can be found in the applicable Action Memorandums.

There are several Operable Units within the entire Libby Asbestos Site. One of them includes the former screening plant and railroad loading station, which is located directly across highway 37 from the now closed Mine and Mill. Once the actual screening plant was closed, the property was used to operate a landscape Nursery, which was owned by Mel and Lira Parker. Before EPA began cleanup at this property in August of 2000, the property housed a main office, a residence, 5 green houses, and

several other structures that supported the operation of the nursery. EPA conducted a cleanup that included demolition of the structures and excavation of contaminated soils to a depth of 6 feet in some areas. There are several site maintenance activities that need to be addressed before EPA can consider the work at this property complete. These activities include the upgrade and maintenance of the irrigation system on the property, and several landscaping activities. Completion of these maintenance activities will make the property suitable for habitation by the property owners and will finalize EPA involvement at this particular site.

1.2 Objective

The objective of this work assignment is to complete the remaining activities required to render OU2 complete.

1.3 General Requirements

CDM will abide by the following general requirements:

1. The EPA primary contact for this work assignment will be Peggy Churchill, the work assignment manager (WAM).
2. The major deliverables and schedule are included in Section 3 of the work plan.
3. EPA will provide oversight and review of all deliverables generated during this work assignment.
4. CDM will maintain all technical and financial records for this work assignment in accordance with the contract.
5. The completion date for this work assignment is estimated to be July 31, 2005. CDM will perform all necessary project work assignment closeout activities as specified in the contract and discussed in Section 2.

Section 2

Technical Assistance Activities

The CDM RAC team will furnish personnel, services, materials, and equipment required to conduct all required activities in accordance with all applicable regulations and guidance within this work assignment. This section contains assumptions used in estimating the costs contained in Volume 2 of this original work plan.

2.1 Task 1 – Project Management

This task includes work efforts related to project initiation, management, and support. This task does not include any functions that are related to overall RAC program management. Subtasks required under Task 1 include:

- 1.1 Develop & Negotiate Work Plan
- 1.2 Project Management
- 1.3 Quality Assurance

CDM has assumed that only these activities will be performed under this task. The work to be performed is described more completely in the following sections.

2.1.1 Subtask 1.1 – Develop Work Plan

This original work plan is submitted in two volumes. Volume I (Technical) contains discussion on how CDM will perform the tasks assigned; provide planning assumptions; assign staff with their responsibilities by task; and present an organizational chart, time lines, and schedule of deliverables. Volume II (Cost Estimate) presents the associated cost schedules, including subcontractors, travel, and other direct costs, and other supporting details sufficient for EPA to evaluate the cost proposal for the project. The original work plan (Volumes I and II) has received technical, financial, editorial, and quality assurance (QA) reviews. Following submittal of the draft work plan, CDM will participate in negotiations as directed by EPA and will then submit a final work plan. CDM has budgeted the following efforts for this subtask:

CDM

Program Manager – P4	2 Hour
Contract Financial Administration Manager (CFAM) – P4	2 Hours
Technical Reviewer – P4	1 Hour
Project Manager – P3	8 Hours
Quality Assurance Coordinator (QAC) – P2	1 Hour
Management Information System (MIS) – P1	4 Hours
Word Processing/Administrative – C	2 Hours

2.1.2 Subtask 1.2 – Project Management

This subtask describes project management activities that include the following:

- Coordinating assigned personnel and activities
- Monitoring project progress and budgets
- Submitting monthly progress and cost reports
- Team or pool subcontract management
- Establishing and maintaining necessary work assignment files
- Attending necessary work assignment meetings
- Weekly communication with the WAM, either face-to-face meetings or through conference calls
- Accommodating EPA audits
- Notification to WAM for 75 percent and 95 percent completion of the approved work assignment budget and projected estimate to complete for the work assignment
- Fulfilling all other required project management activities

Several of these activities will be performed on a monthly or other periodic interval, while other activities will be defined by EPA during the project term and will be performed on an as-needed basis. The level of project management activities will vary according to project activities and will be minimized during periods of inactivity. The estimated project management hours are based on a consistent weekly effort for the period from mid-May 2005 through the end of July 2005 (12 weeks).

CDM

Project Manager – P3

40 Hours

Word Processing/ Administrative – C

8 Hours

2.1.3 Subtask 1.3 – Quality Assurance

CDM has established a formal QA program to ensure consistently high quality in project deliverables under RAC. All work performed by the CDM RAC team on this work assignment will be conducted in accordance with the following guidance documents:

- CDM's RAC Region VIII Quality Management Plan (QMP), Revision 2, dated January 6, 2003 (CDM 2003)
- CDM's Quality Assurance Manual, Revision 10, February 7, 2002 (CDM 2002)

Table 1 summarizes the work plan quality assurance requirements.

Table 1 Work Plan Quality Assurance Requirements

	General QA Requirement	Project-Specific Response
1	List QA Oversight: Regional QA Coordinator Local QA Coordinator	George DeLullo Kim Zilis
2	List Quality Control (QC) Responsibility: Project Manager	Jeff Montera
3	Office Audits (Choose one based on period of performance [POP])	POP: May 2005 – July 2005 <u>< 12 months</u> 0 audits 12-24 months 1 audit 24-36 months 2 audits >36 months 3+ audits
4	Field Audits (Choose one based on length of field effort and provide number of field audits if >5 weeks)	<u><5 weeks</u> 0 audits >5 weeks 1
5	Laboratory Audits (Choose one)	<u>No</u> Yes If Yes, how many
6	Location of official project files	<u>Denver</u> Other
7	Document Control Method	<u>RAC VIII Document Control and Tracking System</u> Other
8	Identify Controlling Documents: CDM's RAC Region VIII Quality Management Plan, Revision 2, January 2003 CDM's Quality Assurance Manual, Revision 10, February 7, 2002 EPA QA/R-5 "EPA Requirements for QAPPs," Final, March 2001 Other:	 <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No Yes <u>No</u>
9	Does Quality Procedure (QP) 2.1, Procuring Measurement and Test Equipment, apply?	Yes <u>No</u>
10	Does QP 2.2, Procuring Technical Services, apply?	<u>Yes</u> No
11	Does QP 3.2, Technical Document Review, apply?	<u>Yes</u> No
12	Does QP 3.3, Quality Assurance Review, apply?	<u>Yes</u> No
13	Does QP 3.4, Records Control, apply?	<u>Yes</u> No

Based on the above, no LOE are associated with this subtask. All technical and QA review hours will be added in the appropriate subtasks.

2.2 Task 2 – Technical Assistance

Based on conversations with EPA after receiving the WAF, CDM assumes that the only technical assistance required will be installation of an irrigation system (i.e., no fertilizer or herbicide application will be completed under this work assignment).

To facilitate this activity, CDM will provide support for subcontractor procurement, management, and invoicing. CDM assumes that procurement support will be needed for 1 subcontract. For this task, CDM has budgeted the following efforts:

CDM	
CFAM – P4	4 Hours
Technical Reviewer – P4	4 Hours
Project Manager – P3	12 Hours
Quality Assurance Coordinator (QAC) – P2	2 Hours
Procurement Specialist – P2	20 Hours
Project Scientist – P2	20 Hours
Word Processing/ Administrative – C	8 Hours

2.3 Task 3 – Work Assignment Closeout

This task includes efforts related to work assignment closeout. Activities to be conducted under Task 6 include:

- Estimate of final cost
- Files disposition, using an EPA-approved data storage technology
- Final costs
- Work assignment completion report (WACR)

For this task, CDM has budgeted the following efforts:

CDM	
Program Manager – P4	1 Hour
CFAM – P4	1 Hour
Project Manager – P3	4 Hours
MIS – P1	8 Hours
Word Processing/ Administrative – C	4 Hours

Section 3

Period of Performance and Schedules

3.1 Work Assignment Period of Performance

The period of performance for this work assignment is currently scheduled through July 31, 2005.

3.2 Schedule of Deliverables/Milestones

Milestones and a schedule for deliverables are shown in Table 2.

Table 2 Schedule of Deliverables

Task	Deliverable	Due Date
1	Work Plan	May 27, 2005
2	Construction and installation of an irrigation system	July 15, 2005
3	WACR	July 31, 2005

Section 4

Project Personnel and Responsibilities

A multi-disciplinary team has been organized to provide technical expertise to implement the non-time critical removal action tasks within this work assignment. Depending on the task-specific resource needs, other technical personnel resources will be made available. The proposed resources will be managed and used in the most efficient and cost-effective manner possible. Table 3 describes the CDM work assignment team and their associated responsibilities for the project.

Table 3 CDM Project Team Personnel and Responsibilities

Position	Personnel	Responsibilities
Program Manager – P4	Linda Brown, Ph.D.	Program management for RAC
CFAM – P4	Brian Irons	Contract and financial management for RAC
Technical Reviewer – P4	Geoff McKenzie	Senior Technical Review
Project Manager – P3	Jeff Montera	Work assignment project manager
Project Scientist – P2	Paul Lammers	Field oversight
QA Specialist – P2	Kim Zilis	Overall project QA compliance

Section 5

References

CDM. 2003. RAC Region VIII, Quality Management Plan, Revision 2. January.

_____. 2002. Quality Assurance Manual. Revision 10. February.

EPA. 2002. EPA QA/G-5 EPA Guidance for Quality Assurance Project Plans. EPA 600/R-98-018. December

_____. 2001. EPA requirements for QAPPs. EPA QA/R-5. Final. March.

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U.S. EPA Contract No. 68-W5-0022

**Original Work Plan
for
Libby Asbestos Site, Operable Unit 2
Technical Assistance
Libby, Montana**

Volume II - Cost Estimate

**Work Assignment No.: 148-TATA-08BC
Document Control No.: 3283-148-PP-WKPN-22913**

May 10, 2005

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RAC REGION VIII - Contract No. 68-W5-0022
 CDM FEDERAL PROGRAMS CORPORATION
 Work Assignment Name: Libby Asbestos Site, OU2
 Work Assignment No.: 148-TATA-08BC

COST CATEGORY	RATE	TASK 1	TASK 2	TASK 3	Work Assignment Total
P4 Hours	\$52.25	5.0	8.0	2.0	15.0
P3 Hours	\$40.42	48.0	12.0	4.0	64.0
P2 Hours	\$27.50	1.0	42.0	0.0	43.0
P1 Hours	\$21.73	4.0	0.0	8.0	12.0
T3 Hours	\$19.82	0.0	0.0	0.0	0.0
T2 Hours	\$17.18	0.0	0.0	0.0	0.0
T1 Hours	\$17.10	0.0	0.0	0.0	0.0
PLOE Hours		58.0	62.0	14.0	134.0
Raw Professional Labor Dollars		\$2,316	\$2,058	\$440	\$4,814
Clerical Hours		10.0	8.0	4.0	22.0
Raw Clerical Labor Dollars	\$16.25	\$163	\$130	\$65	\$358
Total Raw Labor Dollars		\$2,478	\$2,188	\$505	\$5,171
Fringe Benefits	35.80%	\$887	\$783	\$181	\$1,851
Overhead	50.70%	\$1,706	\$1,506	\$348	\$3,561
Total Labor Costs		\$5,072	\$4,478	\$1,034	\$10,583
Travel (See Schedule A):					
Transportation		\$0	\$0	\$0	\$0
Lodging/Meals		\$0	\$0	\$0	\$0
Total Travel Costs		\$0	\$0	\$0	\$0
Escalation Factor: 1					
Other Direct Costs:	Current Rates	Escalated	Units	Units	Units
Photocopying/per copy~	0.05	0.05	500.0	500.0	250.0
Express Mail - Letter	6.25	6.25	10.0	10.0	5.0
Express Mail - 2 Lb. Pkg	6.50	6.50	0.0	0.0	0.0
Express Mail - 15 Lb. Pkg	22.26	22.26	0.0	0.0	0.0
Express Mail - 40 Lb. Pkg	45.01	45.01	0.0	0.0	0.0
Express Mail - Priority 40 lb	75.78	75.78	0.0	0.0	0.0
Express Mail - Priority 75 lb	99.00	99.00	0.0	0.0	0.0
Equipment/Supplies Shipping	50.00	50.00	0.0	0.0	0.0
Courier/trip	15.00	15.00	0.0	0.0	0.0
Long Distance Telephone/10 min	2.10	2.10	100.0	100.0	6.0
Conference Calls	5.00	5.00	10.0	10.0	1.0
Supplies (See Schedule B)			\$0	\$0	\$0
Utilities/Misc (See Separate Schedule)			\$0	\$0	\$0
Total ODCs Cost			\$348	\$348	\$61
-No Escalation					
Computer:	Current Rates	Units	Units	Units	Units
Mainframe - E-mail (Non - CPU)/hour ~	\$18.90	0.0	0.0	0.0	0.0
Mainframe - CPU Intensive Uses/hour ~	\$56.20	0.0	0.0	0.0	0.0
Computer Workstation/hour ~	\$5.50	0.0	0.0	0.0	0.0
Total Computer Cost			\$0	\$0	\$0
-No Escalation					
Equipment (See Schedule C):					
Purchased		\$0	\$0	\$0	\$0
Rental		\$0	\$0	\$0	\$0
Total Equipment Costs			\$0	\$0	\$0
Pollution Liability Insurance Premium		\$418	\$0	\$0	\$418
Subcontract Pool (See Separate Schedules):		\$0	\$45,000	\$0	\$45,000
Team Subcontractors (See Separate Schedules):					
CDM Inc PLOE Hours		0.0	0.0	0.0	0.0
CDM Inc Costs		\$0	\$0	\$0	\$0
Other Team Sub PLOE Hours		0.0	0.0	0.0	0.0
Other Team Sub Costs		\$0	\$0	\$0	\$0
Total Team Sub PLOE Hours		0.0	0.0	0.0	0.0
Total Team Sub Costs		\$0	\$0	\$0	\$0
Subtotal Cost		\$5,838	\$49,826	\$1,095	\$56,758
Handling Charge on Team Subs & Subpool	4.10%	\$0	\$1,845	\$0	\$1,845
G&A excluding Team Subs & Subpool	18.00%	\$1,051	\$1,201	\$197	\$2,449
Subtotal Cost & Handl Chg. G&A		\$6,889	\$52,872	\$1,292	\$61,052
Base Fee (Based on \$/LOE Hour)		\$168	\$1,124	\$41	\$1,333
Award Fee (Based on \$/LOE Hour)		\$245	\$1,677	\$59	\$1,981
Total Cost & Fee		\$7,302	\$55,673	\$1,392	\$64,366
Total PLOE Hours		58.0	62.0	14.0	134.0

RAC REGION VIII - Contract No. 68-W5-0022
 CDM FEDERAL PROGRAMS CORPORATION
 Work Assignment Name: Libby Asbestos Site, OU2
 Work Assignment No.: 148-TATA-08BC

Task No. 1

COST CATEGORY	RATE	SUBTASK 1.1	SUBTASK 1.2	SUBTASK 1.3	TOTAL
P4 Hours	\$52.25	5.0	0.0	0.0	5.0
P3 Hours	\$40.42	8.0	40.0	0.0	48.0
P2 Hours	\$27.50	1.0	0.0	0.0	1.0
P1 Hours	\$21.73	4.0	0.0	0.0	4.0
T3 Hours	\$18.82	0.0	0.0	0.0	0.0
T2 Hours	\$17.18	0.0	0.0	0.0	0.0
T1 Hours	\$17.10	0.0	0.0	0.0	0.0
PLOE Hours		18.0	40.0	0.0	58.0
Raw Professional Labor Dollars		\$699	\$1,617	\$0	\$2,316
Clerical Hours		2.0	8.0	0.0	10.0
Raw Clerical Labor Dollars	\$16.25	\$33	\$130	\$0	\$163
Total Raw Labor Dollars		\$732	\$1,747	\$0	\$2,478
Fringe Benefits	35.80%	\$262	\$625	\$0	\$887
Offsite Overhead	50.70%	\$504	\$1,203	\$0	\$1,706
Total Labor Costs		\$1,497	\$3,575	\$0	\$5,072
Travel (See Schedule A):					
Transportation		\$0	\$0	\$0	\$0
Lodging/Meals		\$0	\$0	\$0	\$0
Total Travel Costs		\$0	\$0	\$0	\$0
Other Direct Costs:					
	Escalation Factor	1			
	Current Rates	Escalated	Units	Units	Units
Photocopying/per copy-	0.05	0.05	250.0	250.0	0.0
Express Mail - Letter	6.25	6.25	5.0	5.0	0.0
Express Mail - 2 Lb. Pkg	6.50	6.50	0.0	0.0	0.0
Express Mail - 15 Lb. Pkg	22.28	22.28	0.0	0.0	0.0
Express Mail - 40 Lb. Pkg	45.01	45.01	0.0	0.0	0.0
Express Mail - Priority 70 lb	75.78	75.78	0.0	0.0	0.0
Express Mail - Priority 100 lb	99.00	99.00	0.0	0.0	0.0
Equipment/Supplies Shipping	50.00	50.00	0.0	0.0	0.0
Courier/trip	15.00	15.00	0.0	0.0	0.0
Long Distance Telephone/10	2.10	2.10	50.0	50.0	0.0
Conference Calls (per hour)	5.00	5.00	5.0	5.0	0.0
Supplies (See Schedule B)			\$0	\$0	\$0
Utilities/Misc (See Separate Schedule)			\$0	\$0	\$0
Total ODCs Cost			\$174	\$174	\$0
-No Escalation					
Computer:	Current Rates	Units	Units	Units	Units
Mainframe - E-mail (Non - CPU)/hour ~	\$18.90	0.0	0.0	0.0	0.0
Mainframe - CPU Intensive Uses/hour ~	\$56.20	0.0	0.0	0.0	0.0
Computer Workstation/hour ~	\$7.00	0.0	0.0	0.0	0.0
Total Computer Cost			\$0	\$0	\$0
-No Escalation					
Equipment (See Schedule C):					
Purchased			\$0	\$0	\$0
Rental			\$0	\$0	\$0
Total Equipment Costs			\$0	\$0	\$0
Pollution Liability Insurance Premium		\$418	\$0	\$0	\$418
Subcontract Pool (See Separate Schedules):		\$0	\$0	\$0	\$0
Team Subcontractors (See Separate Schedules):					
CDM Inc PLOE Hours		0.0	0.0	0.0	0.0
CDM Inc Costs		\$0	\$0	\$0	\$0
Other Team Sub PLOE Hours		0.0	0.0	0.0	0.0
Other Team Sub Costs		\$0	\$0	\$0	\$0
Total Team Sub PLOE Hours		0.0	0.0	0.0	0.0
Total Team Sub Costs		\$0	\$0	\$0	\$0
Subtotal Cost		\$2,089	\$3,749	\$0	\$5,838
Handling Charge on Team Subs & Subpool	4.10%	\$0	\$0	\$0	\$0
G&A excluding Team Subs & Subpool	18.00%	\$376	\$675	\$0	\$1,051
Subtotal Cost & Handl Chg, G&A		\$2,465	\$4,424	\$0	\$6,889
Base Fee (Based on \$/LOE Hour)		\$52	\$116	\$0	\$168
Award Fee (Based on \$/LOE Hour)		\$76	\$169	\$0	\$245
Total Cost & Fee		\$2,593	\$4,709	\$0	\$7,302
Total PLOE Hours		18.0	40.0	0.0	58.0

RAC REGION VIII - Contract No. 68-W5-0022
 CDM FEDERAL PROGRAMS CORPORATION
 Work Assignment Name: Libby Asbestos Site, OU2
 Work Assignment No.: 148-TATA-08BC

Task No.

2

COST CATEGORY	RATE	SUBTASK 2.0	TOTAL
P4 Hours	\$52.25	8.0	8.0
P3 Hours	\$40.42	12.0	12.0
P2 Hours	\$27.50	42.0	42.0
P1 Hours	\$21.73	0.0	0.0
T3 Hours	\$19.82	0.0	0.0
T2 Hours	\$17.18	0.0	0.0
T1 Hours	\$17.10	0.0	0.0
PLOE Hours		62.0	62.0
Raw Professional Labor Dollars		\$2,058	\$2,058
Clerical Hours		8.0	8.0
Raw Clerical Labor Dollars	\$16.25	\$130	\$130
Total Raw Labor Dollars		\$2,188	\$2,188
Fringe Benefits	35.80%	\$783	\$783
Offsite Overhead	50.70%	\$1,506	\$1,506
Total Labor Costs		\$4,478	\$4,478
Travel (See Schedule A):			
Transportation		\$0	\$0
Lodging/Meals		\$0	\$0
Total Travel Costs		\$0	\$0
Other Direct Costs:			
Escalation Factor		1	
Current Rates		Escalated	Units
Photocopying/per copy~	0.05	0.05	500.0
Express Mail - Letter	6.25	6.25	10.0
Express Mail - 2 Lb. Pkg	6.50	6.50	0.0
Express Mail - 15 Lb. Pkg	22.26	22.26	0.0
Express Mail - 40 Lb. Pkg	45.01	45.01	0.0
Express Mail - Priority 70 lb	75.78	75.78	0.0
Express Mail - Priority 100 lb	99.00	99.00	0.0
Equipment/Supplies Shippin	50.00	50.00	0.0
Courier/trip	15.00	15.00	0.0
Long Distance Telephone/1c	2.10	2.10	100.0
Conference Calls (per hour)	5.00	5.00	10.0
Supplies (See Schedule B)		\$0	\$0
Utilities/Misc (See Separate Schedule)		\$0	\$0
Total ODCs Cost		\$348	\$348
-No Escalation			
Computer:		Current Rates	Units
Mainframe - E-mail (Non - CPU)/hour ~	\$18.90	0.0	0.0
Mainframe - CPU Intensive Uses/hour ~	\$56.20	0.0	0.0
Computer Workstation/hour ~	\$7.00	0.0	0.0
Total Computer Cost		\$0	\$0
-No Escalation			
Equipment (See Schedule C):			
Purchased		\$0	\$0
Rental		\$0	\$0
Total Equipment Costs		\$0	\$0
Pollution Liability Insurance Premium		\$0	\$0
Subcontract Pool (See Separate Schedules):		\$45,000	\$45,000
Team Subcontractors (See Separate Schedules):			
CDM Inc PLOE Hours		0.0	0.0
CDM Inc Costs		\$0	\$0
Other Team Sub PLOE Hours		0.0	0.0
Other Team Sub Costs		\$0	\$0
Total Team Sub PLOE Hours		0.0	0.0
Total Team Sub Costs		\$0	\$0
Subtotal Cost		\$49,826	\$49,826
Handling Charge on Team Subs & Subpool	4.10%	\$1,845	\$1,845
G&A excluding Team Subs & Subpool	18.00%	\$1,201	\$1,201
Subtotal Cost & Handl Chg, G&A		\$52,872	\$52,872
Base Fee (Based on \$/LOE Hour)		\$1,124	\$1,124
Award Fee (Based on \$/LOE Hour)		\$1,677	\$1,677
Total Cost & Fee		\$55,673	\$55,673
Total PLOE Hours		62.0	62.0

RAC REGION VIII - Contract No. 68-W5-0022
 CDM FEDERAL PROGRAMS CORPORATION
 Work Assignment Name: Libby Asbestos Site, OU2
 Work Assignment No.: 148-TATA-08BC

Task No.

3

COST CATEGORY	RATE	SUBTASK 3.0	TOTAL
P4 Hours	\$52.25	2.0	2.0
P3 Hours	\$40.42	4.0	4.0
P2 Hours	\$27.50	0.0	0.0
P1 Hours	\$21.73	8.0	8.0
T3 Hours	\$19.82	0.0	0.0
T2 Hours	\$17.18	0.0	0.0
T1 Hours	\$17.10	0.0	0.0
PLOE Hours		14.0	14.0
Raw Professional Labor Dollars		\$440	\$440
Clerical Hours		4.0	4.0
Raw Clerical Labor Dollars	\$16.25	\$65	\$65
Total Raw Labor Dollars		\$505	\$505
Fringe Benefits	35.80%	\$181	\$181
Offsite Overhead	50.70%	\$348	\$348
Total Labor Costs		\$1,034	\$1,034
Travel (See Schedule A):			
Transportation		\$0	\$0
Lodging/Meals		\$0	\$0
Total Travel Costs		\$0	\$0
Other Direct Costs:	Escalation Factor: 1		
Photocopying/per copy~	Current Rates 0.05	Escalated 0.05	Units 250.0
Express Mail - Letter	6.25	6.25	5.0
Express Mail - 2 Lb. Pkg	6.50	6.50	0.0
Express Mail - 15 Lb. Pkg	22.26	22.26	0.0
Express Mail - 40 Lb. Pkg	45.01	45.01	0.0
Express Mail - Priority 70 lb	75.78	75.78	0.0
Express Mail - Priority 100 lb	99.00	99.00	0.0
Equipment/Supplies Shipping	50.00	50.00	0.0
Courier/trip	15.00	15.00	0.0
Long Distance Telephone/1C	2.10	2.10	6.0
Conference Calls (per hour)	5.00	5.00	1.0
Supplies (See Schedule B)			\$0
Utilities/Misc (See Separate Schedule)			\$0
Total ODCs Cost		\$61	\$61
-No Escalation			
Computer:	Current Rates	Units	Units
Mainframe - E-mail (Non - CPU)/hour ~	\$18.90	0.0	0.0
Mainframe - CPU Intensive Uses/hour ~	\$56.20	0.0	0.0
Computer Workstation/hour ~	\$7.00	0.0	0.0
Total Computer Cost		\$0	\$0
-No Escalation			
Equipment (See Schedule C):			
Purchased		\$0	\$0
Rental		\$0	\$0
Total Equipment Costs		\$0	\$0
Pollution Liability Insurance Premium		\$0	\$0
Subcontract Pool (See Separate Schedules):		\$0	\$0
Team Subcontractors (See Separate Schedules):			
CDM Inc PLOE Hours		0.0	0.0
CDM Inc Costs		\$0	\$0
Other Team Sub PLOE Hours		0.0	0.0
Other Team Sub Costs		\$0	\$0
Total Team Sub PLOE Hours		0.0	0.0
Total Team Sub Costs		\$0	\$0
Subtotal Cost		\$1,095	\$1,095
Handling Charge on Team Subs & Subpool	4.10%	\$0	\$0
G&A excluding Team Subs & Subpool	18.00%	\$197	\$197
Subtotal Cost & Handl Chg, G&A		\$1,292	\$1,292
Base Fee (Based on \$/LOE Hour)		\$41	\$41
Award Fee (Based on \$/LOE Hour)		\$59	\$59
Total Cost & Fee		\$1,392	\$1,392
Total PLOE Hours		14.0	14.0

RAC REGION VIII - Contract No. 68-W5-0022

CDM FEDERAL PROGRAMS CORPORATION

Work Assignment Name: Libby Asbestos Site, OU2

Work Assignment No.: 148-TATA-08BC

Schedule D - POOL SUBCONTRACTORS

Task 2 - Irrigation System Installation

Activity	Rate	Quantity	Amount
Construction and installatin of an irrigation system (pursuant to Owner's design)	\$45,000	1	\$45,000
Subtotal			\$45,000